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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/612,380	07/02/2003	Peter Willimowski	854G-000160	3696	
	27572	7590 06/06/2006		EXAMINER		
	HARNESS, DICKEY & PIERCE, P.L.C.			CHU, HELEN OK		
		P.O. BOX 828			PAPER NUMBER	-
	BLOOMFIELD HILLS, MI 48303			ART UNIT		-
				1745		
				DATE MAILED: 06/06/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/612,380	WILLIMOWSKI ET AL.					
Office Action Summary	Examiner	Art Unit					
	Helen O. Chu	1745					
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address					
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 11 Ma	<u>ay 2006</u> .						
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-23 is/are pending in the application.	☑ Claim(s) <u>1-23</u> is/are pending in the application.						
4a) Of the above claim(s) 11-23 is/are withdraw	4a) Of the above claim(s) 11-23 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-10</u> is/are rejected.	6)⊠ Claim(s) <u>1-10</u> is/are rejected.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers	• .						
9) The specification is objected to by the Examiner	•						
0)⊠ The drawing(s) filed on <u>02 July 2003</u> is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
A44							
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO 413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/2/03,8/7/03.	5) Notice of Informal Pa	atent Application (PTO-152)					

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Claims 1-10, drawn to a fuel cell system in the reply filed on May 11, 2006 is acknowledged. Therefore, claims 11-23 are withdrawn from consideration.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-8 and 10 rejected under 35 U.S.C. 102(e) as being anticipated by Shafer (US Publication 2004/0166383)

The applied reference has a common inventor with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

In regards to claims 1 and 2, the Schafer reference illustrates a fuel cell system (Figure 2) having a cathode section and two anode sections (Figure 2, Components 80

and 82) each having inlets and outlets. The fuel cell system further illustrates the two anode sections with valves at the inlets (Figure 2, Components 134 and 128) and outlets (Figure 2, Components 128 and 130). The anode outlets have flow communication (Figure 2, Component 122), a feed stream (Figure 2, Component 94) and further comprises another valve (Figure 2, Component 132).

In regards to claims 3-8, it is well known in the art of valves that valves are used to regulate flow. In addition, the Schafer reference teaches valves are used to restrict, block, or selectively vent flows (Paragraph 20).

In regards to claim 10, the Schafer reference illustrates the anode sections to be different portions of separate fuel cell stacks (Figure 2).

4. Claims 1, 5-8 and 10 rejected under 35 U.S.C. 102(e) as being anticipated by Faris et al. (US Publication 2004/0048133)

In regards to claims 1, the Faris et al. reference illustrates a fuel cell system having a cathode section (Paragraph 2) and two anode sections (Figure 3, Components 48a and 48b) each having inlets and outlets. The fuel cell system further illustrates the two anode sections with valves at the inlets (Figure 3, Components 46a and 46b) and outlets (Figure 3, Components 52a and 52b). The anode outlets have flow communication (Figure 3, Component 50), and further comprises another valve (Figure 3, Component 52c).

In regards to claims 5-8, it is well known in the art of valves that valves are used to regulate flow. In addition, the Faris et al. reference teaches valves are used to selectively feed fuel and exhaust reactions (Paragraph 54).

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In regards to claim 10, the Schafer reference illustrates the anode sections to be different portions of separate fuel cell stacks (Figure 3).

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claim 9 is rejected under 35 U.S.C. 103(a) as being obvious over Schafer (US Publication 2004/0166383).

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). This rejection might also be overcome by showing that the reference is disqualified under 35 U.S.C. 103(c) as prior art in a rejection under

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35 U.S.C. 103(a). See MPEP § 706.02(I)(1) and § 706.02(I)(2). The Schafer reference discloses the claimed invention except for each anode sections are from the same fuel cell stack. It would have been obvious to one having ordinary skill in the art at the time the invention was made to join two fuel cell stacks into one fuel cell stack, since it has been held that forming in one piece an article which has formerly been formed in two pieces and put together involves only routine skill in the art. *Howard v. Detroit Stove Works*, 150 U.S. 164 (1893).

7. Claim 9 is rejected under 35 U.S.C. 103(a) as being obvious over Faris et al. (US Publication 2004/0048133).

The Faris et al. reference discloses the claimed invention except for each anode sections are from the same fuel cell stack. It would have been obvious to one having ordinary skill in the art at the time the invention was made to join two fuel cell stacks into one fuel cell stack, since it has been held that forming in one piece an article which has formerly been formed in two pieces and put together involves only routine skill in the art. *Howard v. Detroit Stove Works, 150 U.S. 164 (1893)*.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen O. Chu whose telephone number is (571) 272-5162. The examiner can normally be reached on Monday-Friday 8am-4:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HOC

DAH-WEIYUAN PRIMARY EXAMINER